

# **Performing Network Analysis with Geoprocessing**

## **Goals of the workshop**

- How to use Network Analyst through geoprocessing.
- Create geoprocessing models that perform network analysis.
- Automate network analysis workflow using Python scripts.
- Integrate external network analysis solvers.
- How to author and publish geoprocessing services that perform network analysis on ArcGIS Server.

## **Major topics covered**

- Types of network analyses supported by the ArcGIS Network Analyst extension.
- Terms used in network analysis.
- Geoprocessing framework for network analysis.
- Authoring geoprocessing models to perform network analysis.
- Using Python scripts and script tools to automate network analyses workflows.
- Integrating external solvers along with network analyst solvers to solve complex network problems.
- Tips and tricks for publishing a network analysis geoprocessing service to ArcGIS Server.